102801

K/HS-73

ORGDP

OAK RIDGE GASEOUS DIFFUSION PLANT

MARTIN MARIETTA

OPERATED BY
MARTIN MARIETTA ENERGY SYSTEMS, INC.
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

#512

PCB INVENTORY 1978 - 1984

J. E. Stone

Environmental Management Department
Health Safety and Environmental Affairs

Publicly Releasable

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PCB INVENTORY
1978 - 1984

ENVIRONMENTAL MANAGEMENT DEPARTMENT
OAK RIDGE GASEOUS DIFFUSION PLANT

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PCB INVENTORY

JANUARY 1, 1978 - DECEMBER 31, 1978

PCB INVENTORY

January 1, 1978 - December 31, 1978

As of January 1, 1979, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	320	10.8	3,456.0
K-27	2,618	9.7	25,394.6
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,739	13.0	61,607.0
			124,309.6

PCB INVENTORY

January 1, 1978 - December 31, 1978

As of January 1, 1979, the following PCB transformers were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
K-1035	1	624	624.0
K-1036	2	568	1,136.0
K-1401	1	1,215	1,215.0
K-633	1	7,781	7,781.0
K-711	1	624	624.0
K-1001	2	1,306	2,612.0
K-1001	1	903	903.0
			707,175.0

PCB INVENTORY

January 1, 1978 - December 31, 1978

From January 1, 1978, to December 31, 1978, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	14	Drum	PCB solids	1,710.0
Y-12	6	Drum	PCB solids	452.0
X-10	2	Drum	PCB solids	113.0
K-25	42	Drum	PCB liquid	11,108.0
K-25	37	Drum	PCB liquid - Kerosene	5,920.0
Y-12	4	Drum	PCB liquid	658.0
X-10	4	Drum	PCB liquid	556.0
K-25	32	Drum	Capacitors	5,116.0
Y-12	6	Drum	Capacitors	842.0
X-10	0	Drum	Capacitors	0.0
K-25	9	Transformer	Transformer	7,544.0
Y-12	0	Transformer	Transformer	0.0
X-10	2	Transformer	Transformer	1,636.0
				35,655.0

PCB INVENTORY

January 1, 1978 - December 31, 1978

As of January 1, 1979, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
22	Drum	PCB solids	2,275.0	K-306-1
50	Drum	PCB liquid	12,322.0	K-306-1
37	Drum	PCB liquid-kerosene	5,920.0	K-726
38	Drum	Capacitors	5,958.0	K-306-1
11	Transformer	Transformer	9,180.0	K-726

As of January 1, 1979, the following PCB storage tanks were in use at the ORGDP:

Location	Number	Wt. (Kg) Each	Wt. (Kg) Total
K-33	13	5,374.15	69,864.0

There were no shipments of PCB materials from Janauary 1, 1978 to December 31, 1978.

PCB INVENTORY

JANAURY 1, 1979 - DECEMBER 31, 1979

PCB INVENTORY

January 1, 1979 - December 31, 1979

As of January 1, 1980, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	320	10.8	3,456.0
K-27	2,348*	9.7	22,775.6
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,739	13.0	61,607.0
			121,690.6

* Reduction of 270 capacitors from 1978 inventory.
These capacitors were removed on 11/05/79.
Drums #328-337.

PCB INVENTORY

January 1, 1979 - December 31, 1979

As of January 1, 1980, the following PCB transformers were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
K-1035	1	624	624.0
K-1401	1	1,215	1,215.0
K-633	1	7,781	7,781.0
K-711	1	624	624.0
			702,524.0

PCB INVENTORY

January 1, 1979 - December 31, 1979

From January 1, 1979, to December 31, 1979, the following materials were placed in storage for future disposal.

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	72	Drum	PCB solids	8,805.0
Y-12	38	Drum	PCB solids	7,504.0
X-10	3	Drum	PCB solids	643.0
K-25	31	Drum	PCB liquid	9,915.0
K-25	25	Drum	PCB liquid-kerosene	4,125.0
K-25	54	Drum	PCB liquid-waste oil <500 ppm	9,119.0
K-25	0	Drum	PCB liquid-waste oil >500 ppm	0.0
Y-12	0	Drum	PCB liquid	0.0
X-10	38	Drum	PCB liquid	12,105.0
X-10	36	Drum	PCB liquid-kerosene	5,744.0
K-25	11	Drum	Capacitors	8,480.0
Y-12	13	Drum	Capacitors	1,338.0
X-10	4	Drum	Capacitors	414.0
K-25	8	Transformer	Transformer	19,304.0
Y-12	0	Transformer	Transformer	0.0
X-10	9	Transformer	Trasformer	19,895.0
				107,391.0

- PCB INVENTORY -

January 1, 1979 - December 31, 1979

As of January 1, 1980, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
103	Drum	PCB solids	16,353.0	K-306-1
118	Drum	PCB liquid	34,262.0	K-306-1
98	Drum	PCB liquid-kerosene	15,789.0	K-726
54	Drum	PCB liquid-waste oil	9,119.0	K-726
4	Drum	Capacitors	378.0	K-306-1
0	Transformer	Transformer	0.0	K-726

As of January 1, 1980, the following PCB storage tanks were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-33	13	5,374.15	69,864.

PCB INVENTORY

January 1, 1979 - December 31, 1979

From January 1, 1979 to December 31, 1979 the following PCB materials were removed from the ORGDP:

Number	Container	Type	Wt. (Kg)
32	Drum	PCB solids	2,874.0
1	Drum	PCB liquid	80.0
62	Drum	Capacitors	15,812.0
28	Transformer	Transformer	48,379.0
			67,145.0

All PCB materials were shipped to Chemical Waste Management in Emelle, Alabama.

PCB INVENTORY

JANAURY 1, 1980 - DECEMBER 31, 1980

PCB INVENTORY

January 1, 1980 - December 31, 1980

As of January 1, 1981, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	320	10.8	3,456.0
K-27	2,348	9.7	22,775.6
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,739	13.0	61,607.0
			121,690.6

As of January 1, 1981, the following PCB transformers were in use at the ORGDP.

Location	Number	Wt. (Kg) Each	Wt. (Kg) Total
K-33	40	9,576.0	383,040.0
K-33	28	7,781.0	217,868.0
K-33	8	7,781.0	62,248.0
K-33	4	7,281.0	29,124.0
K-633	1	7,781.0	7,781.0
K-1401	1	1,215.0	1,215.0
K-791-N	2	115.0	230.0
K-791-S	2	115.0	230.0
K-1002	3	136.0	408.0
			702,144.0

As of January 1, 1981, the PCB transformers (mineral oil contaminated with greater than 500 ppm PCB) were in use at the ORGDP.*

		Wt. (Kg)	
Location	Number	Each	Total
K-862	1	1,701.0	1,701.0
K-1131	2	1,701.0	1,701.0
K-1301	1	1,500.0	1,500.0
K-1401	4	1,701.0	6,804.0
			11,706.0

*In 1980, a PCB mineral oil transformer sampling program was initiated. The following transformers were added to the inventory following this program.

As of January 1, 1981, the following PCB storage tanks were in use at the ORGDP:

Location	Number	Wt. (kg)
K-33	13	69,864.0

From January 1, 1980, to December 31, 1980, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	11	Drum	PCB Solids	1,299.0
Y-12	33	Drum	PCB Solids	3,963.0
X-10	2	Drum	PCB Solids	140.0
K-25	4	Drum	PCB Liquid	1,139.0
K-25	4	Drum	PCB Liquid - Kerosene	660.0
K-25	23	Drum	PCB Liquid - Waste Oil <500 ppm	3,680.0
K-25	8	Drum	PCB Liquid - Waste Oil >500 ppm	1,280.0
Y-12	0	Drum	PCB Liquid	0.0
X-10	20	Drum	PCB Liquid - Mineral Oil	3,803.0
K-25	2	Drum	Capacitors	336.0
Y-12	15	Drum	Capacitors	2,475.0
X-10	0	Drum	Capacitors	0.0
K-25	3	Transformer	Transformer	5,564.0
Y-12	0	Transformer	Transformer	0.0
X-10	0	Transformer	Transformer	0.0
				24,339.0

As of January 1, 1981, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
149	Drum	PCB Solids	21,755.0	K-306-1
122	Drum	PCB Liquid	35,401.0	K-306-1
102	Drum	PCB Liquid - Kerosene	16,449.0	K-726
85	Drum	PCB Liquid - Waste Oil	14,079.0	K-726
20	Drum	PCB Liquid - Mineral Oil	3,803.0	K-726
21	Drum	Capacitors	3,189.0	K-306-1
3	Transformer	Transformer	5,564.0	K-726

From January 1, 1980, to December 31, 1980, the following PCB materials were removed from the ORGDP:

Number	Container	Type	Wt. (Kg)
0	Drum	PCB Solids	0.0
0	Drum	PCB Liquid	0.0
0	Drum	Capacitors	0.0
0	Transformer	Transformer	0.0

PCB INVENTORY

JANAURY 1, 1981 - DECEMBER 31, 1981

PCB Inventory

January 1, 1981 - December 31, 1981

As of January 1, 1982, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	320	10.8	3,456.0
K-27	2,348	9.7	22,775.6
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,739	13.0	61,607.0
			121,690.6

As of January 1, 1982, the following PCB transformers were in use at the ORGDP.

Location	Number	Wt. (Kg) Each	Wt. (Kg) Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
K-633*	1	7,781	7,781.0
			700,061.0

*During 1981, this transformer was taken out of services and designated as a K-33 process transformer spare.

As of January 1, 1982, the following PCB transformers (mineral oil contaminated with greater than 500 ppm PCB) were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
*K-862	1	1,597.0	1,597.0
*K-1131	2	1,600.0	3,200.0
*K-1301	1	1,408.0	1,408.0
*K-1401	4	1,408.0	5,632.0
**K-731	3	736.0	2,208.0
**K-731	3	1,104.0	3,312.0
**K-791	5	1,104.0	5,520.0
**K-791	2	845.0	1,690.0
**K-791	1	1,280.0	1,280.0
**Elza K-741	2	1,104.0	2,208.0
			28,055.0

*Due to the use of differing calculated densities, the weights of these transformers have changed from the 1980 PCB Inventory.

**In 1980, a PCB mineral oil transformer sampling program was initiated. These transformers were added to the inventory following the program.

From January 1, 1981, to December 31, 1981, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	10	Drum	PCB Solids	3,315.0
K-25	8	Drum	PCB Liquid	2,600.0
K-25	10	Drum	PCB Liquid-Kerosene	1,650.0
X-10	2	Drum	PCB Liquid	650.0
X-10	2	Drum	PCB Liquid-Kerosene	330.0
K-25	3	Drum	Capacitors	681.0
K-25	9	Transformer	Transformer	3,804.0
X-10	1	Transformer	Transformer	1,818.0
				14,848.0

As of January 1, 1982, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
119	Drum	PCB Solids	16,693.0	K-306-1
132	Drum	PCB Liquid	38,651.0	K-306-1
114	Drum	PCB Liquid - Kerosene	18,429.0	K-726
85	Drum	PCB Liquid - Waste Oil	14,079.0	K-726
20	Drum	PCB Liquid - Mineral Oil	3,803.0	K-726
7	Drum	Capacitors	1,059.0	K-306-1
13	Transformer	Transformer	11,186.0	K-726

From January 1, 1981, to December 31, 1981, the following PCB materials were removed from the ORGDP:

Number	Container	Type	Wt. (Kg)
40	Drum	PCB Solids	8,377.0
0	Drum	PCB Liquid	0.0
17	Drum	Capacitors	2,811.0
0	Transformer	Transformer	0.0

All PCB materials were shipped to Chemical Waste Management in Emelle, Alabama.

In addition, the following materials are maintained for future use or disposal.*

Location	Number	Container	Wt. (Kg) Each	Wt. (Kg) Total
K-33	7	Transformer Casing	Empty	Empty
K-33	1	Transformer Casing	9,488	9,488.0
K-33	6	Transformer	4,261	25,566.0
K-33	3	Transformer	6,023	18,069.0
K-33	1	Transformer	Empty	Empty
K-33	1	Storage Tanks	2,727	2,727.0
K-33	1	Storage Tanks	9,659	9,659.0

*Due to different accounting measures, these transformer casings were listed on previous inventories as 13 storage tanks in K-33.

PCB INVENTORY

JANAURY 1, 1982 - DECEMBER 31, 1982

PCB Inventory
January 1, 1982 - December 31, 1982

As of January 1, 1983, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	320	10.8	3,456.0
K-27	2,323*	9.7	22,533.0
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,737**	13.0	61,581.0
			121,422.0

*Reduction of 25 capacitors from 1981 inventory. These capacitors were removed on 07/23/82. Drums #754-758.

**Reduction of two capacitors from 1981 inventory. These capacitors were removed on 07/08/82. Drum #741.

As of January 1, 1983, the following PCB transformers were in use at the ORGDP:

Location	Number	Wt. (Kg) Each	Wt. (Kg) Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
K-33*	1	7,781	7,781.0
			700,061.0

*This transformer is the transformer listed at K-633 on the 1981 inventory.

As of January 1, 1983, the following PCB transformers (mineral oil contaminated with greater than 500 ppm PCB) were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-862	1	1,597.0	1,597.0
K-1131	2	1,600.0	3,200.0
K-1301	1	1,408.0	1,408.0
K-1401	4	1,408.0	5,632.0
K-731	3	736.0	2,208.0
K-731	3	1,104.0	3,312.0
K-791	5	1,104.0	5,520.0
K-791	2	845.0	1,690.0
K-791	1	1,280.0	1,280.0
K-791*	1	4,239.0	4,239.0
Elza K-741	2	1,104.0	2,208.0
			32,294.0

*In 1980, a PCB mineral oil transformer sampling program was initiated. This transformer was added to the inventory following this program.

From January 1, 1982, to December 31, 1982, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	20	Drum	PCB Solids	2,936.0
K-25	25	Drum	PCB Liquid	8,125.0
K-25	4	Drum	PCB Liquid - Kerosene	660.0
K-25	7	Drum	PCB Liquid - Waste Oil <500 ppm	1,238.0
K-25	5	Drum	PCB Liquid - Waste Oil >500 ppm	800.0
K-25	27	Drum	PCB Liquid - Mineral Oil <500 ppm	6,129.0
K-25	0	Drum	PCB Liquid - Mineral Oil >500 ppm	0.0
K-25	8	Drum	Capacitors	915.0
				20,803.0

As of January 1, 1983, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
135	Drum	PCB Solids	19,014.0	K-306-1
4	Drum	PCB Solids	615.0	K-726
157	Drum	PCB Liquids	46,776.0	K-306-1
118	Drum	PCB Liquid - Kerosene	19,089.0	K-726
97	Drum	PCB Liquid - Waste Oil	16,117.0	K-726
47	Drum	PCB Liquid - Mineral Oil	9,932.0	K-726
15	Drum	Capacitors	1,974.0	K-306-1
13	Transformers	Transformers	11,186.0	K-726

From January 1, 1982, to December 31, 1982, the following PCB materials were removed from the ORGDP:

Number	Container	Type	Wt. (Kg)
0	Drum	PCB Solids	0.0
0	Drum	PCB Liquid	0.0
0	Drum	Capacitors	0.0
0	Transformer	Transformer	0.0

In addition, the following materials are maintained for future use or disposal:

Location	Number	Container	Wt. (Kg) Each	Wt. (Kg) Total
K-33	7	Transformer Casing	Empty	Empty
K-33	1	Transformer Casing	9,488	9,488.0
K-33	6	Transformers	4,261	25,566.0
K-33	3	Transformers	6,023	18,069.0
K-33	1	Transformers	Empty	Empty
K-33	1	Storage Tanks	2,727	2,727.0
K-33	1	Storage Tanks	9,659	9,659.0

PCB INVENTORY

JANAURY 1, 1983 - DECEMBER 31, 1983

PCB Inventory
January 1, 1983 - December 31, 1983

As of January 1, 1984, the following PCB capacitors were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	216*	10.8	2,332.8
K-27	2,323	9.7	22,533.1
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,737	13.0	61,581.0
			120,298.9

*Reduction of 104 capacitors from 1982 inventory. These capacitors were removed on 06/06/83. Drums #775-789.

As of January 1, 1984, the following PCB transformers were in use at the ORGDP:

Location	Number	Wt. (Kg) Each	Wt. (Kg) Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
K-33	1	7,781	7,781.0
			700,061.0

As of January 1, 1984, the following PCB transformers (mineral oil contaminated with greater than 500 ppm PCB) were in use at the ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-862	1	1,597.0	1,597.0
K-1131	2	1,600.0	3,200.0
K-1301	0*	0.0	0.0
K-1401	4	1,408.0	5,632.0
K-731	3	736.0	2,208.0
K-731	5**	1,104.0	5,520.0
K-791	5	1,104.0	5,520.0
K-791	2	845.0	1,690.0
K-791	1	1,280.0	1,280.0
K-791	1	4,239.0	4,239.0
Elza K-741	2	1,104.0	2,208.0
			33,094.0

*Resampling of this transformer indicates a reduction of PCB ppm below 500 ppm.

**There have been quality assurance problems with analytical results from mineral oil transformers contaminated with PCB. These problems have been corrected, and as a result of resampling, three transformers have been added to the inventory of 1982. As resampling continues, other transformers may be added to or deleted from the inventory.

From January 1, 1983, to December 31, 1983, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	32	Drum	PCB Solids	5,410.0
K-25	8	Drum	PCB Liquid - Waste Oil	940.0
K-25	17	Drum	Capacitors	3,832.0
Y-12	17	Drum	Capacitors	3,377.0
				13,559.0

As of January 1, 1984, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
148	Drum	PCB Solids	22,473.0	K-306-1
4	Drum	PCB Solids	615.0	K-726
157	Drum	PCB Liquid	46,776.0	K-306-1
118	Drum	PCB Liquid - Kerosene	19,089.0	K-726
104	Drum	PCB Liquid - Waste Oil	16,960.0	K-726
47	Drum	PCB Liquid - Mineral Oil	9,932.0	K-726
34	Drum	Capacitors	5,831.0	K-306-1

From January 1, 1983, to December 31, 1983, the following PCB materials were removed from the ORGDP:

Number	Container	Type	Wt. (Kg)
15*	Drum	PCB Solid	1,951.0
1*	Drum	PCB Liquid	97.0
15*	Drum	Capacitors	3,352.0
13**	Transformer	Transformer	11,186.0

* PCB material shipped to Rollins Environmental Services in Deer Park, TX.

** PCB transformers shipped to Chemical Waste Management in Emelle, AL.

In addition, the following materials are maintained for future use or disposal:

Location	Number	Container	Wt. (Kg) Each	Wt. (Kg) Total
K-33	7	Transformer Casing	Empty	Empty
K-33	1	Transformer Casing	9,488	9,488.0
K-33	6	Transformer	4,261	25,566.0
K-33	3	Transformer	6,023	18,069.0
K-33	1	Transformer	Empty	Empty
K-33	1	Storage Tanks	2,727	2,727.0
K-33	1	Storage Tanks	9,659	9,659.0

PCB INVENTORY

JANUARY 1, 1984 - DECEMBER 31, 1984

PCB INVENTORY

January 1, 1984 - December 31, 1984

As of January 1, 1985, the following PCB capacitors were in use at ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-25	216	10.8	2,332.8
K-27	2,323	9.7	22,533.1
K-29	690	10.8	7,452.0
K-31	3,300	8.0	26,400.0
K-33	4,737	13.0	61,581.0
			120,298.9

PCB INVENTORY

January 1, 1984 - December 31, 1984

As of January 1, 1985, the following PCB transformers were in use at ORGDP:*

		Wt. (Kg)	
Location	Number	Each	Total
K-33	40	9,576	383,040.0
K-33	28	7,781	217,868.0
K-33	8	7,781	62,248.0
K-33	4	7,281	29,124.0
			692,280.0

* One transformer has been designated a spare that was listed on the 1983 inventory.

PCB INVENTORY

January 1, 1984 - December 31, 1984

As of January 1, 1985, the following PCB transformers (mineral oil contaminated with greater than 500 ppm PCB) were in use at ORGDP:

		Wt. (Kg)	
Location	Number	Each	Total
K-862	1	1,597.0	1,597.0
*K-1131	1	1,600.0	1,600.0
K-1401	4	1,408.0	5,632.0
K-731	3	736.0	2,208.0
*K-731	3	1,104.0	3,312.0
K-791	5	1,104.0	5,520.0
*K-791	0	845.0	0.0
K-791	1	1,280.0	1,280.0
K-791	1	4,239.0	4,239.0
Elza K-741	2	1,104.0	2,208.0
*K-1501	1	930.0	930.0

* There have been quality assurance problems with analytical results from mineral oil transformers contaminated with PCB. These problems have been corrected, and as a result of resampling, five transformers have been deleted and one transformer has been added to the inventory of 1983. As resampling continues, other transformers may be added to or deleted from the inventory.

need date

PCB INVENTORY

January 1, 1984 - December 31, 1984

From January 1, 1984, to December 31, 1984, the following materials were placed in storage for future disposal:

Plant Origin	Number	Container	Contents	Wt. (Kg)
K-25	108	Drum	PCB Solids	29,611.0
K-25	15	Drum	PCB Liquids	2,452.0
K-25	8	Drum	Capacitors	1,166.0
K-25	16	Transformer	Transformer	20,153.0

PCB INVENTORY

January 1, 1984 - December 31, 1984

As of January 1, 1985, the following materials were in storage for future disposal:

Number	Container	Type	Wt. (Kg)	Location
179	Drum	PCB Solids	35,008.0	K-306-1
63	Drum	PCB Solids	12,741.0	K-726
161	Drum	PCB Liquids	47,616.0	K-306-1
118	Drum	PCB Liquid-Kerosene	19,089.0	K-726
97	Drum	PCB Liquid-Waste Oil	16,117.0	K-726
48	Drum	PCB Liquid-Mineral Oil	9,993.0	K-726
15	Drum	Capacitors	1,974.0	K-306-1
25	Drum	Capacitors	4,493.0	K-726

PCB INVENTORY

January 1, 1984 - December 31, 1984

From January 1, 1984, to December 31, 1984, the following PCB materials were removed from ORGDP:

Number	Container	Type	Wt. (Kg)
22	Drum	Solids	4,950.0
16	Drum	Liquids	2,251.0
2	Drum	Capacitors	530.0
3	Transformers	Transformers (>500 ppm)	7,022.0
13	Transformers	Transformers (<500 ppm)	13,131.0

PCB INVENTORY

January 1, 1984 - December 31, 1984

In addition, the following materials are maintained for future use or disposal:

Location	Number	Container	Wt. (Kg) Each	Wt. (Kg) Total
K-33	7	Transformer Casing	Empty	Empty
K-33	1	Transformer Casing	9,488.0	9,488.0
K-33	6	Transformer	4,261.0	25,566.0
K-33	3	Transformer	6,023.0	18,069.0
K-33	1	Transformer	Empty	Empty
K-33	1	Transformer	7,781.0	7,781.0
K-709	1	Transformer	3,811.0	3,811.0
K-33	1	Storage Tank	2,727.0	2,727.0
K-33	1	Storage Tank	9,659.0	9,659.0

Texas Department of Water Resources
P. O. Box 13087, Capitol Station
Austin, Texas 78711

Shipment 4/17/84

56

Received 5/2/84
Closed out
All paperwork returned

Ticket No. 00754956

TEXAS WASTE SHIPPING—CONTROL TICKET

(Please Type or Print Clearly)

TOG, TOT

(Satisfies TDWR, TDH, U.S. DOT and U.S. EPA requirements for hazardous or class I waste manifest)

PART I: To be completed by Generator (see reverse side for instructions)

Company Name: DEPT. OF ENERGY, OAK RIDGE GASEOUS DIFFUSION PLANT
TDWR/TDH Registration No.: 99947

Business Address: POST OFFICE BOX E, OAK RIDGE, TN 37831

Address From Which Shipment Originates:
POST OFFICE BOX P, OAK RIDGE, TN 37831

EPA Gen. #: TN0890090004

Emergency Phone A/C: 615-574-3282

DESTINATION:

Primary TSD Facility Name: ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
TDWR/TDH Permit No.: 01429

Business Address: POST OFFICE BOX 609, DEER PARK, TX 77536
EPA TSD Fac. #: TXD055141378

Destination (Site) Address: 2027 BATTLEGROUND ROAD, DEER PARK, TX
Phone A/C: 713-479-6001

Alternate TSD Facility Name: N/A
TDWR/TDH Permit No.:

Business Address:
EPA TSD Fac. #:

Destination (Site) Address:
Phone A/C:

1. US DOT PROPER SHIPPING NAME	2. US DOT HAZARD CLASS	3. UN/NA NUMBER	4. QUANTITY	UNITS*	5. CONTAINER NO.	TYPE	6. TEXAS WASTE CODE
DEBRIS	ORME	UN2315	13-28 14	1 2 3 (4)		NA	179430
CAPACITORS	ORME	UN2315	1	1 2 3 (4)		NA	171890
POLYCHLORINATED BIPHENYLS, LIQUID (50-500 PPM)	ORME	UN2315	2-9 1	1 2 3 (4)		NA	113730
				1 2 3 (4)			
				1 2 3 4			
				1 2 3 4			
				1 2 3 4			—

* Circle one: (1) tons (2) gallons (3) cubic yards (4) drums (55 gal.)

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, TDWR, and TDH.

Date of Shipment: 4/17/84

Sig. of Authorized Agent: C. Lee Ford

PART II: To be completed by the Transporter/Driver (see reverse side for instructions)

Transporter: ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
TDWR/TDH Trans. No.: 01429

Business Address: POST OFFICE BOX 609, DEER PARK, TX 77536
EPA Trans. No.: TXD055141378

Phone Number A/C: 713-479-6001

Date Received: 4-17-84

I certify (or declare) that the materials in the quantities described above are received by me for shipment to the above named destination.

Sig. of Authorized Agent: Gary Hawkins

PART III: To Be completed by Treatment, Storage and Disposal (TSD) Facility Owner/Operator (see reverse side for instructions)

TDWR/TDH Permit No.: 01429

TSD Facility Name: Rollins Environmental Services, (Tx) Inc.

Phone Number: 713 - 479-6001

Site Address: 2027 Battleground Road
Deer Park, Texas 77536

EPA TSD Fac. No.: TXD055141378

TSD Facility Owner/Operator Comments:

Date Received: 4-21-84

I certify (or declare) that the materials in the quantities described in Part I are received by me.

Sig. of Authorized Agent: Lee Ford

White - Original Pink - TSD Facility Yellow - Transporter Green - Generator's First Copy

Department of Water Resources
Box 13087, Capitol Station
n, Texas 78711

57

Final Copy Received 7/5/84 all paperwork returned

Ticket No. 00875963

TEXAS WASTE SHIPPING—CONTROL TICKET

(Please Type or Print Clearly)

(Satisfies TDWR, TDH, U.S. DOT and U.S. EPA requirements for hazardous or class I waste manifest)

T06/T07

ART I: To be completed by Generator (see reverse side for instructions)

mpany Name Dept. of Energy Oak Ridge Gaseous Diffusion Plant

TDWR/TDH Registration No. 99947

siness Address Post Office Box E, Oak Ridge, TN 37831

ddress From Which Shipment Originates: Post Office Box P, Oak Ridge, TN 37831

EPA Gen. # TN0890090004

Emergency Phone A/C (615) 574-3282

ESTINATION:

imary TSD Facility Name Rollins Environmental Services (TX) Inc.

TDWR/TDH Permit No. 01429

siness Address P. O. Box 609, Deer Park, Texas 77536

EPA TSD Fac. # TXDC551413778

estination (Site) Address 2027 Battleground Rd. Deer Park, TX

Phone A/C (713) 479-6001

ternate TSD Facility Name N/A

TDWR/TDH Permit No.

usiness Address

EPA TSD Fac. #

estination (Site) Address

Phone A/C

1. US DOT PROPER SHIPPING NAME	2. US DOT HAZARD CLASS	3. UN/NA NUMBER	4. QUANTITY	UNITS*	5. CONTAINER NO.	TYPE	6. TEXAS WASTE CODE
Debris	ORME	UN2315	7	1 2 3 (4)		NA	179430
Capacitors	ORME	UN2315	1	1 2 3 (4)		NA	171890
Polychlorinated Biphenyls	ORME	UN2315	14	1 2 3 (4)		NA	113730
liquid (50-500 ppm)				1 2 3 4			
Sludge (50-500 ppm)	ORME	UN2315	2	1 2 3 (4)		NA	151250
				1 2 3 4			
				1 2 3 4			

Circle one: (1) tons (2) gallons (3) cubic yards (4) drums (55 gal.)

his is to certify that the above named materials are properly classified, described, ackaged, marked, and labeled and are in proper condition for transportation ccording to the applicable regulations of the Department of Transportation, DWR, and TDH.

Date of Shipment June 22, 1984

Sig. of Authorized Agent

ART II: To be completed by the Transporter/Driver (see reverse side for instructions)

ransporter MATLACK INC.

TDWR/TDH Trans. No. 40448

usiness Address 10 W. BALTIMORE AVE. LANSDOWNE PA

EPA Trans. No. PAD046JY487J56

hone Number A/C 215-259-9800

Date Received 6-22-84

certify (or declare) that the materials in the quantities described above are eceived by me for shipment to the above named destination.

Sig. of Authorized Agent

ART III: To Be completed by Treatment, Storage and Disposal (TSD) Facility Owner/Operator (see reverse side for instructions)

TDWR/TDH Permit No. 01429

SD Facility Name ~~Rollins Environmental Services, (Tx) Inc.~~

hone ~~N~~mber 713 - 479-6001

EPA TSD Fac. No. TXD055141378

ite Address 2027 Battleground Road

SD Facility Owner/Operator Comments: Deer Park, Texas 77536

Date Received 6-23-84

certify (or declare) that the materials in the quantities described in Part I are eceived by me.

Sig. of Authorized Agent

White - Original Pink - TSD Facility Yellow - Transporter Green - Generator's First Copy

58

ALABAMA HAZARDOUS WASTE MANIFEST

CWMA ID 115882

IDENTIFICATION INFORMATION

	NAME	ADDRESS	PHONE	EPA ID CODE
GENERATOR	Department of Energy K. R. Gaseous Diffusion Plant	Post Office Box E Oak Ridge, TN 37831	(615) 574-9352	TN0890090003
TRANSPORTER NO. 1	Chemical Waste Management Incorporated	Post Office Box 55 Emelle, AL 35459	(205) 652-9531	ALD006224046
TRANSPORTER NO. 2				
DISPOSER	**Chemical Waste Management, Inc. Emelle Facility**	**P. O. Box 55 Emelle, Alabama 35459**	**205-652-9531**	**ALD006224046**

WASTE INFORMATION

CONTAINER NO.	CONTAINER TYPE	DESCRIPTION/CLASS	TOTAL QUAN.	UNIT	EPA Hazardous Waste ID No.	CWMA WASTE CODE	WEIGHT
13		Waste polychlorinated biphenyls (ORME/UN2315) (PCB contaminated transformer)	13	EA		N/A	
		FLT - <500 ppm PCB RQ - REPORTABLE QUANTITY	55,620	LB			

EMERGENCY INFORMATION

EMERGENCY NOS.: DISPOSER — (205) 652-9531 ; GENERATOR — (615) 574-9352 US COAST GUARD 1-800-424-8802

SPECIAL INSTRUCTIONS: Upon arrival at disposal site, call the ORGDP Shift Superintendent at (615) 574-9352

CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, the U.S. Environmental Protection Agency:

Generator — Title — Date

This is to certify acceptance of the hazardous waste shipment described above:

Transporter #1 — Title — Date

Transporter #2 — Title — Date

This is to certify acceptance of the hazardous waste shipment described above for treatment, storage or disposal:

Disposer — Title — Date

DISPOSAL INFORMATION

CWMA WASTE CODE	QUANTITY	UNIT	PROCESS CODE	LOCATION TRENCH	LOCATION LEVEL	LOCATION QUAD	COMMENTS
	13	EA	D-81				
	1,405	gal	T4-T-81	32			

HAZARDOUS WASTE MANIFEST

59 TNO 1500048

ORIGINAL – NOT NEGOTIABLE

Final Copy Received 5/22/84
Printed & Mailed
Copy to CECOS

MANIFEST DOCUMENT NUMBER: 40936

SHIPPER NUMBER

Energy Systems Company (ENSCO) — NAME OF CARRIER — (SCAC) — CARRIER NUMBER

IDENTIFICATION

	12 DIGIT EPA ID #	COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER	DATE SHIPPED OR RECEIVED
ERATOR/ PER	TN0890090004	Department of Energy, Oak Ridge Gaseous Diffusion Plant, P.O. Box P, Oak Ridge, TN37831 615-574-3282	5/3/84
SPORTER # 1	ARD069748192	Energy Systems Company (ENSCO), P.O. Box 1975, American Rd., El Dorado, Ark 71730 501-863-7173	5/3/84
SPORTER # 2 quired)			
TREATMENT AGE OF DIS- AL FACILITY	TND980729305	AMERICAN INDUSTRIAL WASTE; INDUSTRIAL DR.;WHITE BLUFF,TN; 37187. 615-797-9067	5/4/84
TREATMENT AGE OR DIS- L FACILITY		RETURN TO GENERATOR	

WASTE INFORMATION

UNITS & TAINER YPE	HM	EPA HAZ WASTE ID #	DESCRIPTION AND CLASSIFICATION (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203	UN # or NA #	EXEMPTION OR NO LABELS REQUIRED	FLASH POINT (IN °C) WHEN REQ'D	UNITS WT/VOL	TOTAL QUANTITY	RATE	CHARGES (For Carrier Use Only)
3	X	UN2315	RQ Waste Polychlorinated Biphenyl (ORM-E/UN2315) (PCB Transformers to be DRAINED AND FLUSHED- GREATER THAN 500 ppm)	UN2315	None	N/A	1920 ~~[illegible]~~	100 ~~[illegible]~~ Gal.	--	--

NOTE: Weight on AIW Receipt 800#

SPECIAL HANDLING INSTRUCTIONS In case of an emergency, call OP Shift Superintendent at (615)574-3282.

If an RQ commodity is spilled on a waterway or adjoining land, the incident must be promptly reported to the Federal government: at 1-800-424-8802 (toll free) or 202-426-2675 (toll call). If other DOT Hazardous Materials are discharged creating a serious situation, call shipper's telephone number or Chemtrec 1-800-424-9300 immediately.

COMMENTS Upon arrival at disposal site in White Bluff, TN., call Shift Superintendent at (615)574-3282.
"Collect on Delivery" shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

PLACARDS TENDERED Yes ☑ No ☐

MIT
LD. TO:
DRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collected

...—Where the rate is dependent on value, shippers required to state specifically in writing the agreed or ...ed value of the property.
...agreed or declared value of the property is hereby ...ically stated by the shipper to be not exceeding.
_____ per _____

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns

CERTIFICATION

This is to certify that the above-named materials are properly ...assified, described, packaged, marked and labeled, and are in ...oper condition for transportation according to the applicable ...gulations of the Department of Transportation and the U.S. En... ...ronmental Protection Agency

C. Lee Ford 5/3/84
GENERATOR'S SIGNATURE — DATE

This is to certify acceptance of the hazardous waste shipment.

_____ 5/3/84
TRANSPORTER #1 SIGNATURE & DATE

TRANSPORTER #2 SIGNATURE & DATE (if required)

This is to certify acceptance of the hazardous waste for treatment, storage or disposal.

June Brown 5/4/84
TSDF SIGNATURE — DATE

1

STYLE F-50 © LABELMASTER CHICAGO, IL 60646

HAZARDOUS WASTE MANIFEST

Trial Copy Received 6/29/84 Revised & Flushed 15-00080

Copy to CECOS

MANIFEST DOCUMENT NUMBER [redacted]

SHIPPER NUMBER

Energy Systems Company (ENSCO) NAME OF CARRIER (SCAC)

CARRIER NUMBER

IDENTIFICATION

	12 DIGIT EPA ID #	COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER	DATE SHIPPED OR RECEIVED
GENERATOR/ SHIPPER	TN0890090004	Department of Energy, Oak Ridge Gaseous Diffusion Plant, P.O. Box P, Oak Ridge, TN 37831 615-574-3282	5/16/8
TRANSPORTER # 1	ARD069748192	Energy Systems Company (ENSCO), P.O. Box 1975, American Rd., El Dorado, Ark 71730 501-863-7173	5/16/8
TRANSPORTER # 2 (required)		-	
TSDF TREATMENT STORAGE OR DISPOSAL FACILITY	TND980729305	AMERICAN INDUSTRAIL WASTE Industrial Dr. White Bluff, TN	5/16/8
TSDF TREATMENT STORAGE OR DISPOSAL FACILITY		RETURN TO GENERATOR	

WASTE INFORMATION

NO. OF UNITS & CONTAINER TYPE	HM	EPA HAZ. WASTE ID #	DESCRIPTION AND CLASSIFICATION (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203	UN # or NA #	EXEMPTION OR NO LABELS REQUIRED	FLASH POINT (IN °C) WHEN REQ'D	UNITS WT/VOL	TOTAL QUANTITY	RATE	CHARGES (For Carrier Use Only)
1	X	UN2315	RQ Waste Polychlorinated Biphenyl (ORM-E/UN2315) (PCB Transformer to be DRAINED AND FLUSHED-- GREATER THAN 500 PPM)	UN2315	None	N/A	14,850 Lbs.	545 Gal.	--	--

SPECIAL HANDLING INSTRUCTIONS: In case of an emergency, call ORGDP Shift Superintendent at (615)574-3282.

If an RQ commodity is spilled on a waterway or adjoining land, the incident must be promptly reported to the Federal government at 1-800-424-8802 (toll free) or 202-426-2675 (toll call). If other DOT Hazardous Materials are discharged creating a serious situation, call shipper's telephone number or Chemtrec 1-800-424-9300 immediately

COMMENTS: ***UPON ARRIVAL AT DISPOSAL SITE IN WHITE BLUFF, TN., CALL SHIFT SUPERINTENDENT AT (615)574-3282*****

PLACARDS TENDERED Yes ☒ No ☐

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES: $

FREIGHT CHARGES

FREIGHT PREPAID except when box at right is checked

Check box if charges are to be collected

Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CERTIFICATION

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the U.S. Environmental Protection Agency.

GENERATOR'S SIGNATURE _____ DATE _____

This is to certify acceptance of the hazardous waste shipment.

TRANSPORTER #1 SIGNATURE & DATE 5-11-84

TRANSPORTER #2 SIGNATURE & DATE (if required)

This is to certify acceptance of the hazardous waste for treatment, storage or disposal.

TSDF SIGNATURE _____ DATE 5/10/84

GRD

August 9, 1984

PCB File

PCB Transformer Inspection Audit

On August 7, 1984, an audit of the PCB transformer inspection records for the Cascade Operations Department was conducted by J. E. Stone, of the Environmental Management Department. This audit was performed to ensure compliance with EPA regulations regarding PCB transformer inspections.

The PCB transformer inspections for the Cascade Operations Department are performed by Mr. K. L. Woodard, once every quarter. These inspections include the following items:

- date of inspection
- location of transformer
- all leaks observed
- all leaks repaired if needed
- severity of leaks
- old leaks that were re-epoxyed
- leaks not accessible but cleaned
- name of inspector

All leaks are repaired in conjunction with each inspection performed on PCB transformers.

After reviewing the inspection records of the Cascade Operations Department for PCB transformers, it was found that these inspections are being conducted in compliance with all EPA regulations regarding this matter.

It is hoped that this level of performance will continue in the future to ensure compliance. Attached is a copy of an inspection log sheet,

transformer grid sheets, and other correspondence concerning the inspections.

J. E. Stone

J. E. Stone, K-303-7, MS 346 ORGDP (4-9352) - NoRC

JES:rcd

cc: S. R. Humphreys
K. L. Woodard
L. W. Long - File

MARTIN MARIETTA ENERGY SYSTEMS, INC.

August 28, 1984

File

PCB Transformer Inspection Audit

On August 13, 1984, an audit of the PCB transformer inspection records for the Power Operations Department was conducted by J. E. Stone of the Environmental Management Department. The audit was performed to ensure compliance with EPA regulations concerning the inspection of PCB transformers.

The inspections of PCB transformers, for the Power Operations Department, are performed by Mr. A. D. Hair. These inspections are performed once every quarter and include the following items:

- date of inspection
- transformer number and location
- leaks observed if any
- severity of leaks if observed
- date of repair
- repaired by
- name of inspector

After examining the inspection records, it was found that the inspections are being performed in compliance with the EPA regulations concerning PCB transformers. It is hoped that this practice will continue in the future.

Attached is a copy of the inspection reports for PCB transformers dated January 1, 1984, to the present.

J. E. Stone

J. E. Stone, K-303-7, MS 346 ORGDP (4-9352) - NoRC

JES:rcd

Enclosure

cc/enc: A. D. Hair
L. W. Long - File

MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX P
OAK RIDGE TENNESSEE 37831

March 6, 1985

Department of Energy
Oak Ridge Operations
Attn: Mr. B. J. Davis, Chief
Environmental Protection Branch
Post Office Box E
Oak Ridge, Tennessee 37831

Gentlemen:

Sampling for PCB Contamination at the Oak Ridge Gaseous Diffusion Plant

In order to evaluate specific areas at ORGDP for PCB contamination, soil samples were taken from electrical switchyards, and sludge samples were taken from sewage treatment tanks.

On August 10, 1984, sludge samples were taken from the two sewage treatment Inhoff tanks located at ORGDP. The sludge was analyzed for PCB concentrations. The analyses indicate PCB concentrations less than 0.001 mg/liter in both tanks. Attachment 1 is a copy of the data for the Inhoff tanks.

On December 12 and 13, 1984, soil samples were taken at the following switchyards.

1. K-27 Switchyard (ORGDP)
2. K-31 Switchyard (ORGDP)
3. K-33 Switchyard (ORGDP)
4. X-10 Switchyard (ORNL)
5. Elza Switchyard (Y-12)

Three locations were sampled within each switchyard. The gravel cover was removed, then soil samples were taken at depths of four, eight, and twelve inches. The attached data (Attachment 2) indicates the concentrations of PCB found at each loacation.

It is determined, by ORGDP Environmental Management Department staff, that there are no significant PCB concentrations within the electrical switchyards or the sewage treatment tanks.

If you have further questions, please contact J. E. Stone at extension 4-9352.

Sincerely,

L. W. Long, Environmental Coordinator
Oak Ridge Gaseous Diffusion Plant

LWL:JEStone:rcd

Attachments

cc/att: R. D. Blanchard
J. S. Dalton
W. R. Golliher
T. P. A. Perry
C. H. Peterson
W. F. Thomas
File - NoRC